

10/563,107 02/02/2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 3 NOV 26 MARPAT enhanced with FSORT command  
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
NEWS 7 DEC 12 GBFULL now offers single source for full-text  
coverage of complete UK patent families  
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS  
NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
specific topic.

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result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:35:15 ON 01 FEB 2009

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.44	0.44

FILE 'REGISTRY' ENTERED AT 16:36:05 ON 01 FEB 2009  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

10/563,107 02/02/2009

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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3  
DICTIONARY FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> ....Testing the current file.... screen

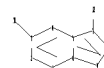
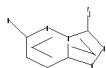
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1943 AND 1995 AND 1838

L1 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10563107.str



chain nodes :  
12

10/563,107 02/02/2009

ring nodes :  
1 2 3 4 5 6 7 8 9  
ring/chain nodes :  
10  
chain bonds :  
3-10 7-12  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9  
exact/norm bonds :  
1-2 1-6 2-3 3-4 3-10 4-5 5-6 5-7 6-9 7-8 7-12 8-9

G1:C,N

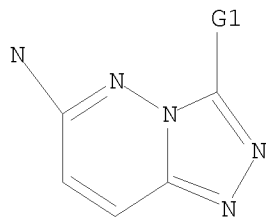
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
12:CLASS

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d  
L3 HAS NO ANSWERS  
L1 SCR 1943 AND 1995 AND 1838  
L2 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.  
L3 QUE ABB=ON PLU=ON L2 AND L1

=> s l3 sss sam  
SAMPLE SEARCH INITIATED 16:37:12 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 295 TO ITERATE

100.0% PROCESSED 295 ITERATIONS 50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 4870 TO 6930  
PROJECTED ANSWERS: 3241 TO 4959

10/563,107 02/02/2009

L4 50 SEA SSS SAM L2 AND L1

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.32

4.76

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:41:31 ON 01 FEB 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
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NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
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NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
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coverage of complete UK patent families  
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NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
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AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

10/563,107 02/02/2009

FILE 'HOME' ENTERED AT 23:30:22 ON 01 FEB 2009

=> ....Testing the current file.... screen

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Please change to a suitable file and repeat your upload

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 23:30:55 ON 01 FEB 2009

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STRUCTURE FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3

DICTIONARY FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

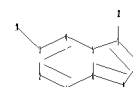
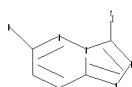
=> screen 1943 AND 1995 AND 1838

L1 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10563107.str

10/563,107 02/02/2009



```
chain nodes :
12
ring nodes :
1 2 3 4 5 6 7 8 9
ring/chain nodes :
10
chain bonds :
3-10 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-2 1-6 2-3 3-4 3-10 4-5 5-6 5-7 6-9 7-8 7-12 8-9
```

G1:C,N

```
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS
```

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

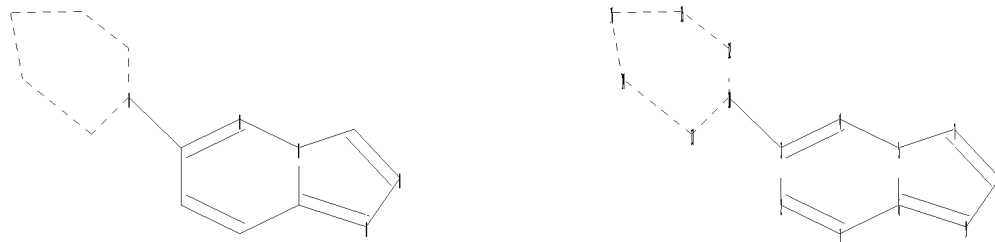
=> screen 1945 AND 1995 AND 1929 AND 1839

10/563,107 02/02/2009

L4 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10563107a.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 12 13 14 15 16

chain bonds :

3-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-12 10-13 12-15 13-14 14-16  
15-16

exact/norm bonds :

1-2 1-6 2-3 3-4 3-10 4-5 5-6 5-7 6-9 7-8 8-9 10-12 10-13 12-15 13-14  
14-16 15-16

isolated ring systems :

containing 1 :

G1:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom

L5 STRUCTURE UPLOADED

=> que L5 AND L4

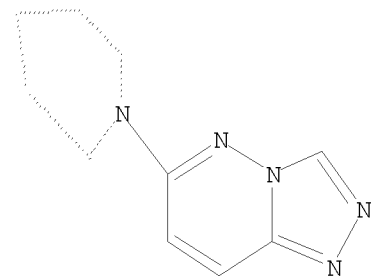
L6 QUE L5 AND L4

=> d

L6 HAS NO ANSWERS

L4 SCR 1945 AND 1995 AND 1929 AND 1839

L5 STR



G1 C,N

10/563,107 02/02/2009

Structure attributes must be viewed using STN Express query preparation.  
L6 QUE ABB=ON PLU=ON L5 AND L4

=> s l4 sss sam  
SAMPLE SEARCH INITIATED 23:31:46 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED 50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 4238926 TO 4293194

L7 50 SEA SSS SAM L4

=> log h  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.96 1.18

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 23:32:00 ON 01 FEB 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 23:44:15 ON 01 FEB 2009  
FILE 'REGISTRY' ENTERED AT 23:44:15 ON 01 FEB 2009  
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COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.96 1.18

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1015 AND 1942 AND 1945 AND 1995 AND 1839

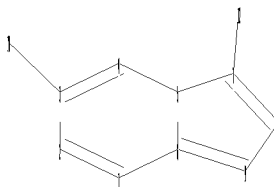
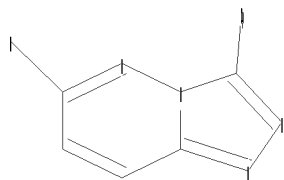
L8 SCREEN CREATED

=>

Uploading C:\Program Files\STNEXP\Queries\10563107b.str



10/563,107 02/02/2009



```
chain nodes :
12
ring nodes :
1 2 3 4 5 6 7 8 9
ring/chain nodes :
10
chain bonds :
3-10 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
1-2 1-6 2-3 3-4 3-10 4-5 5-6 5-7 6-9 7-8 7-12 8-9
```

G1:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
12:Atom

L9 STRUCTURE UPLOADED

=> que L9 AND L8

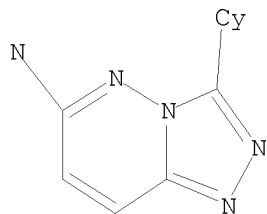
L10 QUE L9 AND L8

=> d

L10 HAS NO ANSWERS

L8 SCR 1015 AND 1942 AND 1945 AND 1995 AND 1839

L9 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

L10 QUE ABB=ON PLU=ON L9 AND L8

=> s l10 sss sam

SAMPLE SEARCH INITIATED 23:44:48 FILE 'REGISTRY'

10/563,107 02/02/2009

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

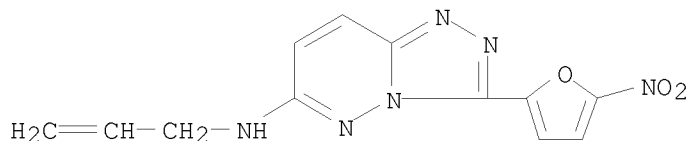
100.0% PROCESSED 5 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 2 TO 124

L11 2 SEA SSS SAM L9 AND L8

=> d scan

L11 2 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN  
IN 1,2,4-Triazolo[4,3-b]pyridazin-6-amine,  
3-(5-nitro-2-furanyl)-N-2-propen-1-yl-  
MF C12 H10 N6 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l10 sss full  
FULL SEARCH INITIATED 23:45:24 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 105 TO ITERATE

100.0% PROCESSED 105 ITERATIONS 18 ANSWERS  
SEARCH TIME: 00.00.01

L12 18 SEA SSS FUL L9 AND L8

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 187.32 187.54

FILE 'CAPLUS' ENTERED AT 23:45:35 ON 01 FEB 2009  
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FILE COVERS 1907 - 1 Feb 2009 VOL 150 ISS 6  
FILE LAST UPDATED: 30 Jan 2009 (20090130/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l12

L13 5 L12

=> d ibib abs hit 1-5

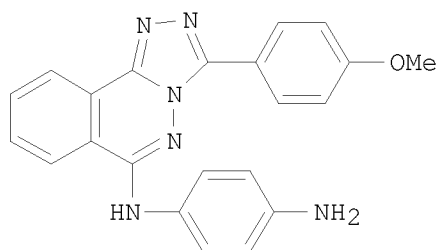
L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2006:333234 CAPLUS  
DOCUMENT NUMBER: 144:390929  
TITLE: Preparation of triazolophthalazines as PDE2 inhibitors  
INVENTOR(S): Schmidt, Beate; Weinbrenner, Steffen; Flockerzi, Dieter; Kuelzer, Raimund; Tenor, Hermann; Kley, Hans-Peter  
PATENT ASSIGNEE(S): Altana Pharma AG, Germany  
SOURCE: PCT Int. Appl., 51 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2006024640	A2	20060309	WO 2005-EP54266	20050831
WO 2006024640	A3	20070607		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2005279221	A1	20060309	AU 2005-279221	20050831
CA 2578368	A1	20060309	CA 2005-2578368	20050831
EP 1791543	A2	20070606	EP 2005-784647	20050831
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU			
JP 2008511586	T	20080417	JP 2007-528875	20050831
BR 2005014586	A	20080617	BR 2005-14586	20050831

MX 2007002266	A	20080828	MX 2007-2266	20070223
NO 2007001127	A	20070228	NO 2007-1127	20070228
IN 2007MN00434	A	20070720	IN 2007-MN434	20070323
KR 2007047834	A	20070507	KR 2007-706869	20070326
US 20090005372	A1	20090101	US 2007-660748	20070326
CN 101133057	A	20080227	CN 2005-80038057	20070508

PRIORITY APPLN. INFO.: EP 2004-104221 A 20040902  
WO 2005-EP54266 W 20050831

OTHER SOURCE(S): CASREACT 144:390929; MARPAT 144:390929  
GI



I

AB Triazolophthalazines are prepared as effective PDE2 inhibitors. E.g., I is prepared from 6-chloro-3-(4-methoxyphenyl)-[1,2,4]triazolo[3,4-a]phthalazine (II) and p-phenylenediamine. II is prepared from 4-chlorophthalazin-1-ylhydrazine and 4-methoxybenzoyl chloride. Methods for measuring inhibition of PDEs activities are given.

IT 882983-12-2P 882983-13-3P 882983-14-4P 882983-15-5P 882983-16-6P  
882983-17-7P 882983-18-8P 882983-19-9P 882983-20-2P 882983-21-3P  
882983-22-4P 882983-23-5P 882983-24-6P 882983-25-7P 882983-26-8P  
882983-27-9P 882983-28-0P 882983-29-1P 882983-30-4P 882983-31-5P  
882983-32-6P 882983-33-7P 882983-34-8P 882983-35-9P 882983-36-0P  
882983-37-1P 882983-38-2P 882983-39-3P 882983-40-6P 882983-41-7P  
882983-42-8P 882983-43-9P 882983-44-0P 882983-45-1P 882983-46-2P  
882983-47-3P 882983-48-4P 882983-49-5P 882983-50-8P 882983-51-9P  
882983-52-0P 882983-53-1P 882983-54-2P 882983-55-3P 882983-56-4P  
882983-57-5P 882983-58-6P 882983-59-7P 882983-60-0P 882983-61-1P  
882983-62-2P 882983-63-3P 882983-64-4P 882983-65-5P  
882983-66-6P 882983-67-7P 882983-68-8P 882983-69-9P 882983-70-2P  
882983-71-3P 882983-72-4P 882983-73-5P 882983-74-6P 882983-75-7P  
882983-76-8P 882983-77-9P 882983-78-0P 882983-82-6P 882983-83-7P  
882983-84-8P 882983-85-9P 882983-86-0P 882983-87-1P 882983-88-2P  
882983-89-3P 882983-90-6P 882983-91-7P 882983-92-8P 882983-93-9P  
882983-94-0P 882983-95-1P 882983-96-2P 882983-97-3P 882983-98-4P  
882983-99-5P 882984-00-1P 882984-01-2P 882984-02-3P 882984-03-4P  
882984-04-5P 882984-05-6P 882984-06-7P 882984-07-8P 882984-08-9P  
882984-09-0P 882984-10-3P 882984-11-4P 882984-12-5P 882984-13-6P  
882984-14-7P 882984-15-8P 882984-16-9P 882984-17-0P 882984-18-1P  
882984-19-2P 882984-20-5P 882984-39-6P 883234-07-9P 883234-08-0P  
883234-09-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of triazolophthalazines as PDE2 inhibitors)

L13 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2004:14702 CAPLUS  
DOCUMENT NUMBER: 140:199281

TITLE: Transformation of  
N-(5-acetyl-6-methyl-2-oxo-2H-pyran-3-yl)benzamide  
with hydrazines in the presence of an acidic catalyst  
AUTHOR(S): Vranicar, Lidija; Polanc, Slovenko; Kocevar, Marijan  
CORPORATE SOURCE: Faculty of Chemistry and Chemical Technology,  
University of Ljubljana, Ljubljana, SI-1000, Slovenia  
SOURCE: Heterocycles (2003), 61, 105-112  
CODEN: HTCYAM; ISSN: 0385-5414  
PUBLISHER: Japan Institute of Heterocyclic Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 140:199281  
GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

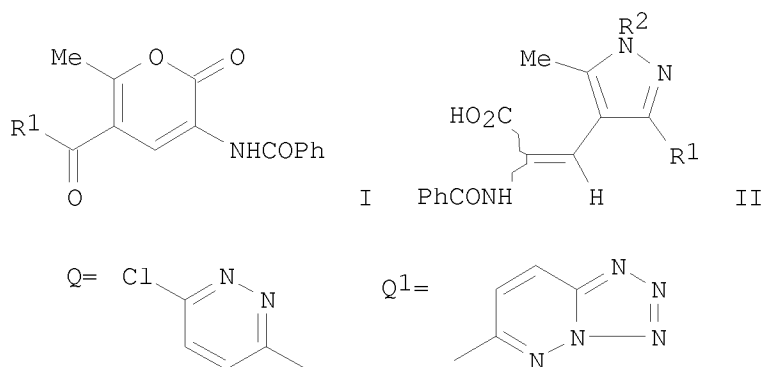
AB 2H-Pyran-2-one I was reacted with heterocyclic hydrazines and  
2,4-dinitrophenylhydrazine, in the presence of various acidic catalysts,  
to give N-[5-(1-hydrazonoethyl)-6-methyl-2-oxo-2H-pyran-3-yl]benzamides,  
e.g., II, as the main products. In some cases,  
(E)- $\alpha,\beta$ -didehydro- $\alpha$ -amino acids, e.g., III, were obtained  
as the minor product.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 220467-63-0P 220467-64-1P  
RL: BYP (Byproduct); PREP (Preparation)  
(byproducts from the preparation of N-  
[(heteroarylhydrazonoethyl)methyl(oxopyranyl)]benzamides via  
condensation of N-[acetyl(methyl)oxopyranyl]benzamide with  
heteroarylhydrazines)

L13 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:24179 CAPLUS  
DOCUMENT NUMBER: 130:168311  
TITLE: 2H-Pyran-2-ones as synthons for  
(E)- $\alpha,\beta$ -didehydroamino acid derivatives  
AUTHOR(S): Vranicar, Lidija; Polanc, Slovenko; Kocevar, Marijan  
CORPORATE SOURCE: Faculty of Chemistry and Chemical Technology,  
University of Ljubljana, Ljubljana, SI-1000, Slovenia  
SOURCE: Tetrahedron (1999), 55(1), 271-278  
CODEN: TETRAB; ISSN: 0040-4020  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI



AB 2H-Pyran-2-ones I ( $R_1 = \text{Me, Ph}$ ) with the defined (E)-structure of a  $\alpha, \beta$ -didehydroamino acid unit were used as synthons for a series of configurationally stable (E)- $\alpha, \beta$ -didehydroamino acid derivs. II ( $R_2 = \text{H, Me, PhCH}_2, \text{Ph, Het, Het} = \text{Q, Q1, etc.}$ ) containing a benzoyl protected amino function and a pyrazolyl residue. They were derived from 2H-pyran-2-ones and hydrazines under various reaction conditions. A possibility of the formation of (Z)-isomers from the above-mentioned precursors is also discussed.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 188064-51-9P 220467-58-3P 220467-59-4P 220467-60-7P 220467-61-8P  
220467-62-9P 220467-63-0P 220467-64-1P 220467-65-2P  
220467-66-3P 220467-67-4P 220467-68-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of pyranones as synthons for  $\alpha, \beta$ -didehydroamino acid derivs.)

L13 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1990:478269 CAPLUS

DOCUMENT NUMBER: 113:78269

ORIGINAL REFERENCE NO.: 113:13243a, 13246a

TITLE: Studies of pyridazine compounds. XXV.

Reinvestigation of acylation of pyridazinylhydrazones

AUTHOR(S): Szilagyi, Geza; Matyus, Peter; Sohar, Pal

CORPORATE SOURCE: Inst. Drug Res., Budapest, H-1325, Hung.

SOURCE: Tetrahedron (1989), 45(24), 7921-8

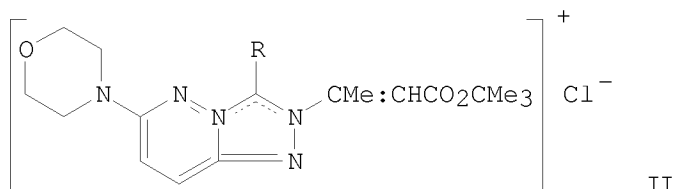
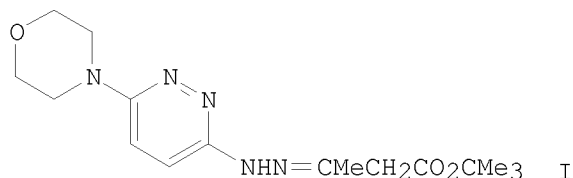
CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:78269

GI



- AB The acylation of morpholino-substituted pyridazinylhydrazones I with  $\text{RC}_6\text{H}_4\text{COCl}$  ( $\text{R} = 2\text{-Cl}, 4\text{-Cl}, 4\text{-MeO}, 4\text{-NO}_2, 3\text{-F}_3\text{C}$ ) afforded triazolo[4,3-b]pyridazinium salts II. Reaction mechanism and ring-chain tautomerism are discussed.
- IT 128641-70-3P 128641-71-4P 128641-72-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and rearrangement of)
- IT 128641-69-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation, rearrangement, and dealkylation of)
- IT 128641-67-8P 128641-68-9P 128641-94-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation, rearrangement, and ring cleavage of)

L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1973:16204 CAPLUS

DOCUMENT NUMBER: 78:16204

ORIGINAL REFERENCE NO.: 78:2571a, 2574a

TITLE: 3-(5-Nitro-2-furyl)-6-amino-s-triazolo[4,3-b]pyridazine derivatives

INVENTOR(S): Berger, Herbert; Gall, Rudi; Merdes, Hartmut; Voemel, Wolfgang; Sauer, Winfriede

PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H.

SOURCE: Ger. Offen., 20 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2113438	A	19720921	DE 1971-2113438	19710319
DE 2161596	A1	19730614	DE 1971-2161596	19711211
GB 1324060	A	19730718	GB 1972-11607	19720313
FR 2130372	A5	19721103	FR 1972-9373	19720317
FR 2130372	B1	19751226		
AT 314535	B	19740410	AT 1972-2297	19720317
AT 314536	B	19740410	AT 1973-3870	19720317

10/563,107 02/02/2009

AT 315840	B	19740610	AT 1973-3868	19720317
AT 315841	B	19740610	AT 1973-3869	19720317
PRIORITY APPLN. INFO.:			DE 1971-2113438	A 19710319
			DE 1971-2161586	A 19711211
			DE 1971-2161587	A 19711211
			DE 1971-2161596	A 19711211

GI For diagram(s), see printed CA Issue.

AB Twenty-nine title compds. [I, n = 0 or 1; R = e.g. HOCH<sub>2</sub>, HOCH<sub>2</sub>CH<sub>2</sub>, or Et; R<sub>1</sub> = e.g. HOCH<sub>2</sub> or H or NRR<sub>1</sub> = e.g. morpholino, 1-pyrroddinyl, or 4-( $\beta$ -hydroxyethyl)-1-piperazinyl], useful for the treatment of microbial infections of the urinary tract, were prepared by amination of the chloro derivative II or by formylation of I (R = R<sub>1</sub> = H).

IT	20373-39-1P	35256-67-8P	35263-20-8P	35263-21-9P	35263-45-7P
	39181-62-9P	39181-67-4P	39181-68-5P	39181-71-0P	39181-72-1P
	39181-73-2P	39181-74-3P	39181-75-4P	39181-76-5P	39181-77-6P
	39181-80-1P	39181-82-3P	39181-83-4P	39181-84-5P	39181-85-6P
	39181-87-8P	39200-26-5P	39200-27-6P	39200-29-8P	39200-30-1P
	39200-31-2P	39200-32-3P	39200-33-4P	39200-34-5P	39200-35-6P
	39200-36-7P	39200-37-8P	39200-38-9P	39200-40-3P	39200-41-4P
	39200-42-5P	39200-45-8P	39479-42-0P		

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.90	208.44

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.10	-4.10

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